KX-TS880EX.book Page 1 Tuesday, November 23, 2010 3:41 PM

Panasonic

Operating Instructions

Integrated Telephone System

Model No. **KX-TS880EX**

Thank you for purchasing a Panasonic product.

This unit is compatible with Caller ID. You must subscribe to the appropriate service offered by your service provider/telephone company.

Please read these operating instructions before using the unit and save them for future reference.

KX-TS880EX.book Page 2 Tuesday, November 23, 2010 3:41 PM

Table of Contents

Introduction
Accessory information 3
For your safety 4
Important safety instructions 4
For best performance 4
Other information 5
Specifications 5

Preparation
Controls 6
Display 7
Battery installation and replacement 8
Connections 9
Symbols used in these operating instructions 10
Setting up the unit before use 11

Making/Answering Calls
Making calls 12
Answering calls 13
Useful features during a call 14
Dial lock 15

One-Touch Dialler
One-touch Dialler 16

Speed Dialler
Speed Dialler 18

Phonebook
Phonebook 19
Chain dial 20

Programming
Programmable settings 21
Special instructions for programmable settings 23

Caller ID Service
Using Caller ID service 24
Caller list 25

Useful Information
Optional headset 27
Desk mount setup 28
Wall mount setup 29
Troubleshooting 31

Index
Index 33

KX-TS880EX.book Page 3 Tuesday, November 23, 2010 3:41 PM

For your future reference
We recommend keeping a record of the following information to assist with any repair under warranty.

Serial No. _____ Date of purchase _____

(found on the bottom of the unit)

Name and address of dealer

Attach your purchase receipt here.

Note:

- This equipment is designed for use on Portugal, Spain, Italy, Netherlands, Belgium and Cyprus analogue telephone network.
- In the event of problems, you should contact your equipment supplier in the first instance.
- For use on other countries, please contact your equipment supplier.

Declaration of Conformity:

- Panasonic System Networks Co., Ltd. declares that this equipment is in compliance with the essential requirements and other relevant provisions of Radio & Telecommunications Terminal Equipment (R&TTE) Directive 1999/5/EC. Declarations of Conformity for the relevant Panasonic products described in this manual are available for download by visiting: http://www.doc.panasonic.de

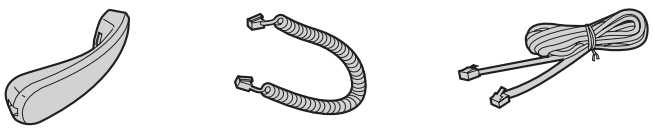
Contact to Authorised Representative:
Panasonic Testing Centre
Panasonic Marketing Europe GmbH
Winsbergring 15, 22525 Hamburg, Germany

Accessory information

Supplied accessories

No.	Accessory item	Quantity
①	Handset	1
②	Handset cord	1
③	Telephone line cord	1

① ② ③



KX-TS880EX.book Page 4 Tuesday, November 23, 2010 3:41 PM

For your safety

To prevent severe injury and loss of life/property, read this section carefully before using the product to ensure proper and safe operation of your product.

WARNING

Installation

- To prevent the risk of fire or electrical shock, do not expose the product to rain or any type of moisture.

Operating safeguards

- Do not disassemble the product.
- Do not spill liquids (detergents, cleansers, etc.) onto the telephone line cord plug, or allow it to become wet at all. This may cause a fire. If the telephone line cord plug becomes wet, immediately pull it from the telephone wall jack, and do not use.
- Excessive sound pressure from earphones and headphones can cause hearing loss.

CAUTION

Installation and location

- Never install telephone wiring during an electrical storm.
- Never install telephone line jacks in wet locations unless the jack is specifically designed for wet locations.
- Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
- Use caution when installing or modifying telephone lines.
- This product is unable to make calls when:
  - the dial lock feature is turned on.
  - the call restriction feature is turned on (only phone numbers stored in the unit as emergency numbers can be called.)

Battery

- We recommend using the batteries noted on page 8.
- Do not mix old and new batteries.

Important safety instructions

When using your product, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

1. Do not use this product near water, for example, near a bathtub, washbowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.
2. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
3. Do not use the telephone to report a gas leak in the vicinity of the leak.
4. Use only the batteries indicated in this manual. Do not dispose of batteries in a fire. They may explode. Check with local codes for possible special disposal instructions.

SAVE THESE INSTRUCTIONS

For best performance

Environment

- The product should be kept free from excessive smoke, dust, high temperature, and vibration.
- The product should not be exposed to direct sunlight.
- Do not place heavy objects on top of the product.
- The product should be kept away from heat sources such as radiators, cookers, etc. It should not be placed in rooms where the temperature is less than 0°C or greater than 40°C. Damp basements should also be avoided.

Routine care

- **Wipe the outer surface of the product with a soft moist cloth.**
- Do not use benzine, thinner, or any abrasive powder.

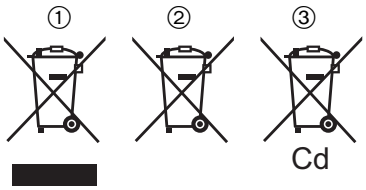
KX-TS880EX.book Page 5 Tuesday, November 23, 2010 3:41 PM

Other information

Notice for product disposal, transfer, or return

- This product can store your private/confidential information. To protect your privacy/confidentiality, we recommend that you erase information such as phonebook, one-touch dial, speed dial or caller list entries from the memory before you dispose of, transfer, or return the product.

Information for Users on Collection and Disposal of Old Equipment and used Batteries



These symbols (①, ②, ③) on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries should not be mixed with general household waste. For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points, in accordance with your national legislation and the Directives 2002/96/EC and 2006/66/EC. By disposing of these products and batteries correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.
For more information about collection and recycling of old products and batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.
Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

For business users in the European Union
If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

Information on Disposal in other Countries outside the European Union
These symbols (①, ②, ③) are only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

Note for the battery symbol
This symbol (②) might be used in combination with a chemical symbol (③). In this case it complies with the requirement set by the Directive for the chemical involved.

Specifications

Power source:
From telephone line
From 3 AA (LR6, R6, UM-3) batteries

Dimensions (H x W x D):
Approx. 93 mm × 172 mm × 220 mm

Mass (Weight):
Approx. 550 g

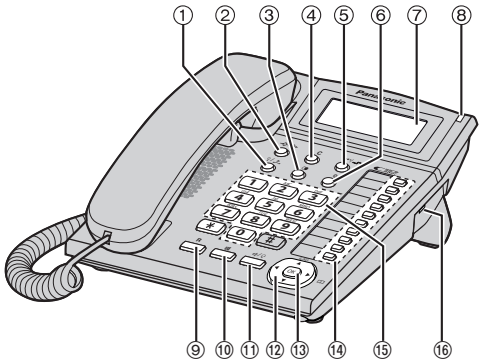
Operating conditions:
0 °C–40 °C, 20 %−80 % relative air humidity (dry)

Note:

- Design and specifications are subject to change without notice.
- The illustrations in these instructions may vary slightly from the actual product.

KX-TS880EX.book Page 6 Tuesday, November 23, 2010 3:41 PM

Controls



① 【♀/⇅】 (page 14, 15)

② 【→/⇢】 (page 11, 16, 18, 21, 23)

③ 【●】 (page 12)

④ 【C】 (page 12, 18, 19, 20, 23)

⑤ 【→•/⌐】 (page 16, 18)

⑥ 【⊘】 (page 13)

⑦ Display (page 7)

⑧ RINGER indicator (page 13)

⑨ 【R】 (page 14)

⑩ 【⊠】 (page 14)

⑪ 【🔇/♀】 (page 12, 13, 16, 18, 25, 27)

⑫ Navigator key (【▲】, 【▼】, 【◄】, 【►】) (page 19, 20, 25)

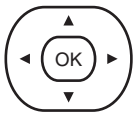
⑬ 【OK】 (page 11, 18, 21, 23, 25)

⑭ One-touch dial buttons (page 16)

⑮ Dial key buttons/memory station numbers (page 18)

⑯ RINGER selector (page 13)

How to use the Navigator key and 【OK】 button
This key has five active areas that are indicated by arrows and 【OK】.



- Pressing the up and down arrows allows you to enter the Caller List and scroll through the function menu.
- Pressing the right and left arrows allows you to enter the Phonebook and move the cursor when entering items. The right arrow also use to select the desired item.
- The 【OK】 button is used to select and confirm desired item.

Throughout this Operating Instructions, the navigator key is indicated by the arrows 【▼】, 【▲】, 【◄】 or 【►】 and 【OK】.

KX-TS880EX.book Page 7 Tuesday, November 23, 2010 3:41 PM

Display

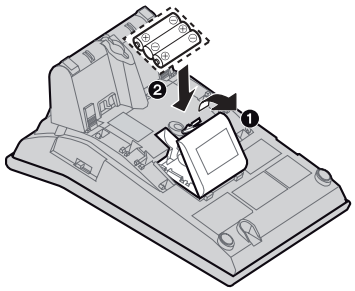
Display items

Item	Meaning
	The dial lock mode is set (page 15).
	You have checked this caller information, answered the call or called back the caller from the caller list (page 25).
	The phone line is in speakerphone call mode (page 12).
	The display flashes when the battery power is low. To replace the batteries, see page 8.
	【⊘】was pressed while dialling or storing phone numbers.
	【R】was pressed while storing phone numbers.
	【#】was pressed while dialling.
	The phone line is in headset call mode.

KX-TS880EX.book Page 8 Tuesday, November 23, 2010 3:41 PM

Battery installation and replacement

Installing the batteries



1 Press down in the direction of the arrow and open the cover (❶).

2 Install the batteries in the proper order as shown (❷), matching the correct polarity.

3 Close the battery cover.
- After battery installation, the unit will reset and "**`Set clock`**" will always display until the time is set.
- **To set the clock, see page 11.**

- Batteries are not included with the unit.
- Install three high quality "AA" size Alkaline (LR6) or Manganese (R6, UM-3) batteries. We recommend to use Panasonic batteries.
  Battery life is:
  –about six months when using Alkaline batteries.
  –about three months when using Manganese batteries.
- Battery life may depend on usage conditions and ambient temperature.
- Make sure batteries were inserted properly inphase to ensure the functionality of this unit.

THE UNIT MAY NOT WORK PROPERLY WITHOUT BATTERIES.

Replacing the batteries

If "▭" flashes, the battery power is low. Install new batteries as soon as possible. If batteries are not replaced even after the "▭" is displayed, the unit may not work properly.
- Store the desired items in the phonebook, because after the battery replacement, the information stored in the redial list will be cleared.

1 Disconnect the telephone line cord from the unit.

2 Press down in the direction of the arrow and open the cover.

3 Replace the batteries with new ones using correct polarity (+, –), and close the cover.

4 Connect the telephone line cord to the unit.

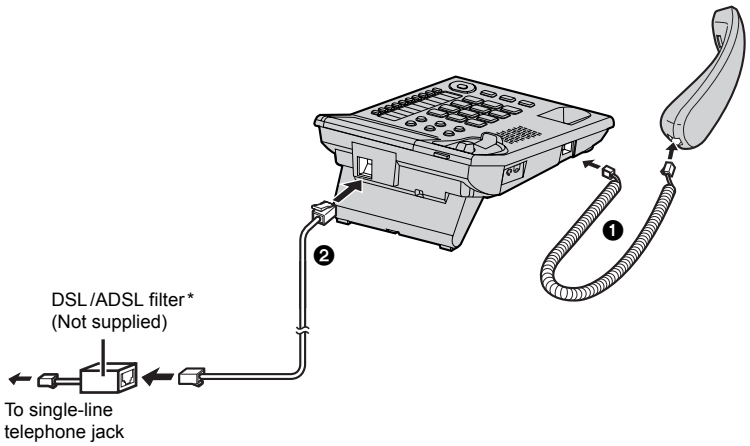
Battery precautions:
The batteries should be used correctly, otherwise the unit may be damaged by battery leakage.
- Do not mix different types of batteries.
- Do not charge, short-circuit, disassemble, heat or dispose of in fire.
- Remove all the batteries when replacing.

Note:
- If you do not install the batteries or if the battery power is low, the display will become blank. Readjust the time after the battery replacement.
- Replace all the batteries every six months if using Alkaline batteries, or misoperation may occur. (When you use Manganese batteries, replace all of them every three months.)
- Do not use nickel-cadmium batteries.

KX-TS880EX.book Page 9 Tuesday, November 23, 2010 3:41 PM

Connections

Connect the handset cord (❶) to the handset and the unit. Connect the telephone line cord until it clicks into the unit and telephone line jack (❷). After line connection, lift the handset to check for a dial tone.



- Use only a Panasonic handset for KX-TS880EX.
- Use only the supplied telephone line cord. Using another telephone line cord may not allow the unit to work properly.
- KX-TS880EX is not designed to be used with rotary (pulse dialling) services.

*** For DSL/ADSL service users**

Please attach a DSL/ADSL filter (contact your DSL/ADSL provider) to the telephone line between the unit and the telephone line jack in the event of the following:

– noise is heard during conversations.
– Caller ID features do not function properly.

KX-TS880EX.book Page 10 Tuesday, November 23, 2010 3:41 PM

Symbols used in these operating instructions

Symbol	Meaning
【 】	The words in the brackets indicate button names on the unit.
→	Proceed to the next operation.
“ ”	The words in quotations indicate the menu on the display. **Example:** “**Save phonebook ?**”
【▼】/【▲】: “ ”	Press 【▼】 or 【▲】 to select the words in quotations. **Example:** 【▼】/【▲】: “**Off**”

KX-TS880EX.book Page 11 Tuesday, November 23, 2010 3:41 PM

Setting up the unit before use

Display language

You can select "**English**" (English), "**Español**" (Spanish), "**Italiano**" (Italian), "**Português**" (Portuguese), "**ΕΛΛΗΝΙΚΑ**" (Greek) and "**Nederlands**" (Dutch) as the display language.
The default setting is "**English**" (English).

1 **【→/⇦】→【▼】/【▲】:** "**Change language?**" **→【OK】**

2 **【▼】/【▲】:** Select the desired setting **→【OK】→【→/⇦】**

Date and time

1 **【→/⇦】→【▼】/【▲】:** "**Set clock ?**" **→【OK】**

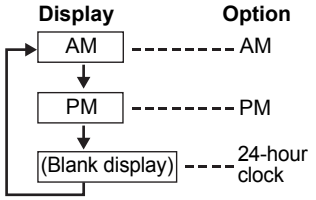
2 Enter the current year by selecting 2 digits.
Example: 2010
【1】【0】
- You can select the year from 2000 to 2099.

3 **【OK】**

4 Enter the current hour and minute by selecting 2 digits for each.
Example: 9:30
【0】【9】【3】【0】

5 **【OK】**
- If numbers between 0000 and 0059, or 1300 and 2359 are entered, the time will automatically set using the 24-hour clock. Skip steps 6 and 7, and go to step 8.

6 Press **【#】** to select "**AM**", "**PM**" or 24-hour clock.



- Each time you press **【#】**, the selection will change on the display.

7 **【OK】**

8 Enter the current day and month by selecting 2 digits for each.
Example: 15 July
【1】【5】【0】【7】

9 **【OK】→【→/⇦】**
- If the date and time are entered wrong, "**ERROR**" will be displayed and you cannot continue with the setting. Enter the correct date and time.

For Caller ID service users (page 24)
If a time display service is available with the Caller ID service:
- The Caller ID information will re-set the clock after the ring if:
  - the adjusted time and/or date is incorrect.
  - the time adjustment set to ON.

KX-TS880EX.book Page 12 Tuesday, November 23, 2010 3:41 PM

Making calls

1 Lift the handset and dial the phone number.

2 When you finish talking, place the handset on the cradle.

Using the speakerphone

1 【🔊/🎧】→ Dial a phone number.
OR
Dial a phone number → 【🔊/🎧】
- Speak alternately with the other party.
- If you have misdialled, press 【🔊/🎧】 and start again from step 1.

2 When you finish talking, press 【🔊/🎧】.

Note:
- For best performance, use the speakerphone in a quiet environment. If necessary, adjust the speaker volume.
- You can switch to the handset by lifting it up. To switch back to the speakerphone, press 【🔊/🎧】 and place the handset on the cradle.

Adjusting the handset or the speaker volume

Press 【▼】 or 【▲】 repeatedly while talking.
- "▱" shows one level.

Making a call using the redial list

The last 20 phone numbers dialled are stored in the redial list.

1 【○●】

2 【▼】/【▲】: Select the desired phone number.
- You can also scroll through the list by pressing 【○●】.
- To exit the list, press 【→/⇳】.

3 Lift the handset or press 【🔊/🎧】 to start calling.

Automatic redial:
If you use the speakerphone when redial and the other party's line is engaged, the unit will automatically redial the number up to 15 times.
While the unit is waiting to redial, "**Waiting redial**" will be displayed.
While the unit is redialling, mute is automatically turn on.
- Automatic redial is cancelled when 【R】 is pressed.
- If mute does not turn off after the line is connected, press 【⊠】.

Erasing a number in the redial list

1 【○●】

2 【▼】/【▲】: Select the desired phone number.

3 【C】
- If "**No items stored**" is displayed, the list is empty.

4 【→/⇳】

KX-TS880EX.book Page 13 Tuesday, November 23, 2010 3:41 PM

Pause (for PBX/long distance service users)

A pause is sometimes required when making calls using a PBX or long distance service. When storing a calling card access number and/or PIN in the phonebook, one-touch dial or speed dial, a pause is also needed. Example: If you need to dial the line access number "**9**" when making outside calls with a PBX:

1 【9】→【⊘】
2 Dial the phone number.
3 Lift the handset or press 【🔊/🎧】 to start calling.

Note:

- A 3.5 second pause is inserted each time 【⊘】 is pressed. Repeat as needed to create longer pauses.

Answering calls

When a call is being received, the unit rings, the ringer indicator flashes quickly and "**Incoming call**" is displayed. You can answer a call by simply lifting the handset.

Using the speakerphone

1 【🔊/🎧】
2 When you finish talking, press 【🔊/🎧】.

Note:

- The ringer indicator will flash when someone picks up or hangs up another phone connected to the same phone line. This is normal.

Adjusting the unit ringer volume

You can select the ringer volume to HIGH, LOW or OFF. The default setting is HIGH.

KX-TS880EX.book Page 14 Tuesday, November 23, 2010 3:41 PM

Useful features during a call

Hold

This feature allows you to put an outside call on hold.

1 Press 【♀/↑】 during an outside call.
- If using the handset, you can place it on the cradle.
- During the hold, both party will hear music. For cancelling music, see page 21.

2 To release hold, lift the handset if the handset is on the cradle.
OR
Press 【♀/↑】 if the handset is off the cradle.
OR
Press 【🔊/♀】 if using the speakerphone.

Note:
- If another phone is connected to the same line, you can also take the call by lifting its handset.

Mute

While mute is turned on, you can hear the other party, but the other party cannot hear you.

1 During an outside call, press 【⊠】.

2 To return to the conversation, press 【⊠】.

Recall

【R】 allows you to use the special features of your host PBX such as transferring an extension call, or accessing optional telephone services.

Note:
- To change the recall time, see page 21.

For call waiting service users

To use call waiting, you must first subscribe to the call waiting service of your service provider/telephone company. This feature allows you to receive calls while you are already talking on the phone. If you receive a call while on the phone, you will hear a call waiting tone.

1 Press **【R】** to answer the 2nd call.

2 To switch between calls, press **【R】**.

Note:
- Please contact your service provider/ telephone company for details and availability of this service in your area.

KX-TS880EX.book Page 15 Tuesday, November 23, 2010 3:41 PM

Dial lock

This feature prohibits making outside calls.
The default setting is OFF.

Important:

- **When dial lock or call restriction (page 23) is turned on, only phone number stored as emergency numbers (numbers stored with a # at the beginning of the name) can be dialled. We recommend storing emergency numbers in the phonebook, one-touch dial or speed dial before using this feature.**
- When dial lock is turned on, you cannot store, edit, or erase the emergency numbers begin with # in the phonebook, one-touch dial and speed dial.

To turn the dial lock on/off

1 【♀/↕】

- "♀" flashes on the display.

2 Enter the unit password (default "**1111**") → **【OK】**

Note:

- If dial lock is turned on, the unit displays "♀".
- "**DIAL LOCKED**" will be displayed if the dial buttons are pressed before/after:
  – lifting the handset.
  – pressing 【🔇/♀】.

KX-TS880EX.book Page 16 Tuesday, November 23, 2010 3:41 PM

One-touch Dialler

You can store up to 20 phone numbers in the one-touch dial buttons (10 numbers in UPPER memory locations and 10 numbers in LOWER memory locations). Do not press any one-touch dial buttons before storing to prevent misoperation.

Note:

- If a phone number is stored in a one-touch dial button which already contains a phone number, the old number will be erased.
- To store a number as an emergency number, see page 19.

UPPER memory locations

Storing phone numbers

1. 【→/⇦】→【▼】/【▲】: "**Save one touch ?**" →【OK】
2. Enter the party's name (15 characters max.) →【OK】
3. Enter the party's phone number (32 digits max.) →【OK】
4. Press a one-touch dial button.
   - A long beep sounds.
5. 【→/⇦】

Note:

- We recommend you program an emergency number in the EMERGENCY button.

Erasing a stored number

1. Press a one-touch dial button.
2. 【C】→【OK】
   - A long beep sounds.

Dialling a stored number

1. Lift the handset or press 【📞/🎧】.
2. Press the one-touch dial button.
3. When you finish talking, place the handset on the cradle or press 【📞/🎧】.

OR

1. Press the one-touch dial button.
2. Lift the handset or press 【📞/🎧】.
3. When you finish talking, place the handset on the cradle or press 【📞/🎧】.

LOWER memory locations

Storing phone numbers

1. 【→/⇦】→【▼】/【▲】: "**Save one touch ?**" →【OK】
2. Enter the party's name (15 characters max.) →【OK】
3. Enter the party's phone number (32 digits max.) →【OK】
4. 【→•/⌐】→ Press a one-touch dial button.
   - A long beep sounds.
5. 【→/⇦】

Erasing a stored number

1. 【→•/⌐】→ Press the one-touch dial button.
2. 【C】→【OK】
   - A long beep sounds.

Dialling a stored number

1. Lift the handset or press 【📞/🎧】.
2. 【→•/⌐】→ Press the one-touch dial button.
3. When you finish talking, place the handset on the cradle or press 【📞/🎧】.

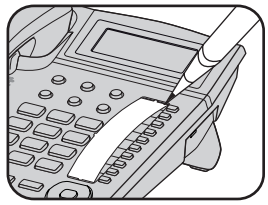
OR

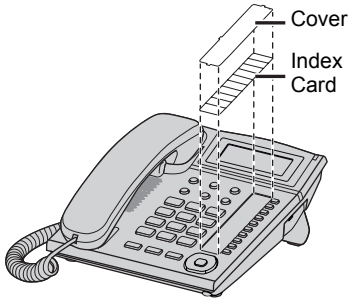
1. 【→•/⌐】→ Press the one-touch dial button.
2. Lift the handset or press 【📞/🎧】.
3. When you finish talking, place the handset on the cradle or press 【📞/🎧】.

KX-TS880EX.book Page 17 Tuesday, November 23, 2010 3:41 PM

Index card

Use the index card to record the names/phone numbers stored to the one-touch dial buttons.





KX-TS880EX.book Page 18 Tuesday, November 23, 2010 3:41 PM

Speed Dialler

You can store up to 10 numbers in the memory stations. The dialling buttons **【0】** to **【9】** function as memory station numbers. Do not press any memory stations before storing to prevent misoperation.

Note:

- If a phone number is stored in a dialling button which already contains a phone number, the old number will be erased.
- To store a number as an emergency number, see page 19.

Storing phone numbers

1. **【→/⇦】→【▼】/【▲】**: "**Save speed dial?**" → **【OK】**
2. Enter the party's name (15 characters max.) → **【OK】**
3. Enter the party's phone numbers (32 digits max.) → **【OK】**
4. Press a memory station number (**【0】** to **【9】**).
   - A long beep sounds.
5. **【→/⇦】**

Erasing a stored number

1. **【→•/⌐】** → Press a memory station number (**【0】** to **【9】**) for the phone number to be erased.
2. **【C】** → **【OK】**
   - A long beep sounds.

Dialling a stored number

1. Lift the handset or press **【🔊/🎧】**.
2. **【→•/⌐】** → Press the memory station number (**【0】** to **【9】**).
3. When you finish talking, place the handset on the cradle or press **【🔊/🎧】**.

OR

1. **【→•/⌐】** → Press the memory station number (**【0】** to **【9】**).
2. Lift the handset or press **【🔊/🎧】**.
3. When you finish talking, place the handset on the cradle or press **【🔊/🎧】**.

KX-TS880EX.book Page 19 Tuesday, November 23, 2010 3:41 PM

Phonebook

The phonebook allows you to make calls without having to dial manually. You can add 50 names and phone numbers.

Adding entries

1 【→/↩】
2 【▼】/【▲】→ "**Save phonebook ?**" →【OK】
- The display will show the number of stored items.

3 Enter the party's name (15 characters max.) →【OK】
4 Enter the party's phone number (32 digits max.) →【OK】
- To add other entries, repeat from step 2.
- If the display shows "**Phonebook full**" in step 2, press 【→/↩】 to exit the list. To erase other stored items from the phonebook, see page 20.

5 【→/↩】

To store emergency numbers

Emergency numbers are numbers stored in the phonebook, one-touch dial and speed dial that can be dialled even when dial lock (page 15) or call restriction (page 23) is turned on.
To store a number as an emergency number, add # at the beginning of the party's name except the number at EMERGENCY button.

Character table for entering names

Key	Character
【1】	& ' ( ) , - . / 1
【2】	a b c A B C 2
【3】	d e f D E F 3
【4】	g h i G H I 4
【5】	j k l J K L 5
【6】	m n o M N O 6
【7】	p q r s P Q R S 7
【8】	t u v T U V 8
【9】	w x y z W X Y Z 9
【0】	0 Space
【✳】	✳
【#】	#

- To enter another character that is located on the same dial key, press 【►】 to move the cursor to the next space.

Correcting a mistake

Press 【◄】 or 【►】 to move the cursor to the character or number you want to erase, then press 【C】. Enter the appropriate character or number.
- Press and hold 【C】 to erase all characters or numbers.

KX-TS880EX.book Page 20 Tuesday, November 23, 2010 3:41 PM

Finding and calling a phonebook entry

Scrolling through all entries

1. Press 【◄】 or 【►】 to enter the phonebook list.
2. 【▼】/【▲】: Select the desired entry.
   - Item with # at the beginning will be displayed with first priority if dial lock (page 15) or call restriction (page 23) is turned on.
3. Lift the handset or press 【/】 to start calling.

Searching by first character (alphabetically)

1. Press 【◄】 or 【►】 to enter the phonebook list.
2. Press the dial key (【0】–【9】, 【*】 or 【#】) which contains the character you are searching for (page 19).
   - Press the same dial key repeatedly to display the first entry corresponding to each character located on that dial key.
   - If there is no entry corresponding to the character you selected, the next entry is displayed.
3. 【▼】/【▲】: Scroll through the phonebook if necessary.
4. Lift the handset or press 【/】 to start calling.

Editing entries

1. Press 【◄】 or 【►】 to enter the phonebook list.
2. 【▼】/【▲】: Select the desired entry → 【OK】
3. Edit the name if necessary (15 characters max.: page 19) → 【OK】
4. Edit the phone number if necessary (32 digits max) → 【OK】 → 【/】

Erasing entries

1. Press 【◄】 or 【►】 to enter the phonebook list.
2. 【▼】/【▲】: Select the desired entry → 【C】 → 【OK】
   - A beep sounds.
3. 【/】

Chain dial

This feature allows you to dial phone numbers in the phonebook while you are on a call. This feature can be used, for example, to dial a calling card access number or bank account PIN that you have stored in the phonebook, without having to dial manually.

1. During an outside call, press 【◄】 or 【►】.
2. 【▼】/【▲】: Select the desired entry → 【OK】

Note:

- When storing a calling card access number and your PIN in the phonebook as one phonebook entry, press 【】 to add pauses after the number and PIN as necessary (page 13).

KX-TS880EX.book Page 21 Tuesday, November 23, 2010 3:41 PM

Programmable settings

You can customize the unit by programming the following features.

Make sure that the handset is on the cradle and "" or "" is not displayed.

Programming by scrolling through the display menus

1 **【→/⇦】**

2 **【▼】/【▲】**: Select the desired item in main menu → **【OK】**

3 **【▼】/【▲】**: Select the desired setting → **【OK】**

- This step may vary depending on the feature being programmed.
- To exit the operation, press **【→/⇦】** or wait for 60 seconds.

Note:

- In the following table, < > indicates the default settings.
- The current item or setting is highlighted on the display.

Main menu	Sub-menu	Setting	Page
Save phonebook ?	–	–	19
Save one touch ?	–	–	16
Save speed dial?	–	–	18
Program ?	Change password?	<1111>	23
	Call restrict ?	–	23
	Set recall time?*1	900/ 700/ 600/ 400/300/ 250/ 200/ 160/ 110/ 100/ 90/ 80 <100>	–
	Set dial mode ?*2	Tone <Tone>	–
	LCD contrast ?*3	▫▫▫▫/▫▫▫/▫▫/▫ <▫▫>	–
	Set hold music ?*4	On/Off <On>	–
	Time adjustment?*5	On/Off <On>	–
Set clock ?	–	–	11
Change language?		English/Español/ Italiano/Português/ ΕΛΛΗΝΙΚΑ/Nederlands <English>	11

KX-TS880EX.book Page 22 Tuesday, November 23, 2010 3:41 PM

*1 The recall time (ms) depends on your telephone exchange or host PBX. Contact your PBX supplier if necessary.
*2 The dialling mode is fixed to "**Tone**".
*3 "▱" shows one level. To make the display clearer, set to high level.
*4 You can set music play during the hold.
*5 If the Caller ID time and date display service is available in your area, this feature allows the unit to automatically adjust the date and time setting when caller information is received. To use this feature, set the date and time first.

KX-TS880EX.book Page 23 Tuesday, November 23, 2010 3:41 PM

Special instructions for programmable settings

Call restriction

You can restrict the unit from dialling phone numbers beginning with specified digit(s) (1 digit or 2 digits). Phone numbers with the restricted leading digits cannot be dialled out, except the emergency numbers (#) stored in the phonebook, one-touch dial and speed dial.

- When call restriction is turned on, you cannot store, edit, or erase the emergency numbers begin with # in the phonebook, one-touch dial and speed dial.

Setting the call restriction

1 【→/↩】
2 【▼】/【▲】: "**Program ?**" → 【OK】
3 【▼】/【▲】: "**Call restrict ?**" → 【OK】
- If you have not changed the unit password (default: 1111), go to step 5.

4 Enter the unit password → 【OK】
5 Enter the number(s) (1 digit or 2 digits) you want to restrict (【0】 to 【9】) → 【OK】 → 【→/↩】

Erasing the restricted number

1 【→/↩】
2 【▼】/【▲】: "**Program ?**" → 【OK】
3 【▼】/【▲】: "**Call restrict ?**" → 【OK】
- If you have not changed the unit password (default: 1111), go to step 5.

4 Enter the unit password → 【OK】
5 Press and hold 【C】 → 【OK】 → 【→/↩】

Changing the unit password

Important:

- If you change the password, please make note of your new password. The unit will not reveal the password to you. If you forget your password, consult your nearest Panasonic service center.

1 【→/↩】
2 【▼】/【▲】: "**Program ?**" → 【OK】
3 【▼】/【▲】: "**Change password?**" → 【OK】
4 Enter the current 4-digit password (default: "**1111**") → 【OK】
- If you have entered the wrong password, "**ERROR**" and "----" will be displayed. Enter the correct password.

5 Enter the new 4-digit password → 【OK】 → 【→/↩】

KX-TS880EX.book Page 24 Tuesday, November 23, 2010 3:41 PM

Using Caller ID service

Important:

- This unit is Caller ID compatible. To use Caller ID features, you must subscribe to Caller ID service. Contact your service provider / telephone company for details.

Caller ID features

When an outside call is being received, the name and phone number is displayed.
Caller information for the last 50 callers is logged in the caller list from the most recent call to the oldest. When the 51st call is received, the oldest call is deleted.

- If the unit cannot receive caller information, the following is displayed:
  - "**Out of area**": The caller dialled from an area which does not provide Caller ID service.
  - "**Private caller**": The caller requested not to send caller information.
  - "**Long distance**": The caller made a long distance call.
- If the unit is connected to a PBX system, caller information may not be received properly. Contact your PBX supplier.
- If the batteries installed in the unit have expired, Caller ID services will not be available.

Missed calls

If a call is not answered, the unit treats the call as a missed call. The display shows the number of missed calls, while the unit is not in use. This lets you know if you should view the caller list to see who called while you were away. If you have entered the caller list before and there is no new missed call coming in after that, number of missed calls will not be displayed in standby mode.

- If there are unviewed missed calls, number of missed calls will be displayed when you enter the caller list.

Private name display

When caller information is received and it matches a phone number stored in the phonebook, one-touch and speed dial, the stored name is displayed and logged in the caller list.

KX-TS880EX.book Page 25 Tuesday, November 23, 2010 3:41 PM

Caller list

Important:

- Make sure the unit's date and time setting is correct (page 11).

Viewing the caller list and calling back

1. Press 【▼】 or 【▲】 to enter the caller list.
2. Press 【▼】 to search from the most recent call, or 【▲】 to search from the oldest call.
3. To call back, lift the handset or press 【/】.
   To exit, press 【/】.

Note:

- If the item has already been viewed or answered, "✓" is displayed.
- If "`No items stored`" is displayed in step 1, the caller list is empty.

Editing a caller's phone number before calling back

1. Press 【▼】 or 【▲】 to enter the caller list.
2. 【▼】/【▲】: Select the desired entry → 【OK】 or 【►】.
3. Add or erase digits to the beginning of the number as necessary.
   - To add a digit, press the desired dial key.
   - To erase a digit, press 【C】 or 【#】.
4. To call back, lift the handset or press 【/】.

Erasing selected caller information

1. Press 【▼】 or 【▲】 to enter the caller list.
2. 【▼】/【▲】: Select the desired entry.
3. 【C】
   - A long beep sounds.
4. 【/】

Erasing all caller information

1. 【C】
2. "`All erase ?`" → 【OK】
   - A long beep sounds.
3. 【/】

Storing caller information into the phonebook

1. Press 【▼】 or 【▲】 to enter the caller list.
2. 【▼】/【▲】: Select the desired entry → 【OK】 or 【►】.
   - Edit the number if necessary.
3. 【OK】
   - If there is name information for the caller, go to step 5.
4. Enter the party's name (15 character max.: page 19) → 【OK】
5. "`▼Phonebook?`" → 【OK】
   - A long beep sounds.
6. 【/】

Storing caller information into the one touch dial

1 Press 【▼】 or 【▲】 to enter the caller list.

2 【▼】/【▲】: Select the desired entry → 【OK】 or 【►】.
- Edit the number if necessary.

3 【OK】
- If there is name information for the caller, go to step 5.

4 Enter the party's name (15 character max.: page 19) → 【OK】

5 Press 【▼】 → "▼▲One touch?" → 【OK】

6 Press a one-touch dial button.
- If a phone number is stored in a one-touch dial button which already contains a phone number, the old number will be erased.
- A long beep sounds.

7 【→/⇳】

Storing caller information into the speed dial

1 Press 【▼】 or 【▲】 to enter the caller list.

2 【▼】/【▲】: Select the desired entry → 【OK】 or 【►】.
- Edit the number if necessary.

3 【OK】
- If there is name information for the caller, go to step 5.

4 Enter the party's name (15 character max.: page 19) → 【OK】

5 Press 【▼】 twice → "▲Speed dial?" → 【OK】

6 Press a memory station number (【0】 to 【9】)
- If a phone number is stored in a dialling button which already contains a phone number, the old number will be erased.
- A long beep sounds.

7 【→/⇳】

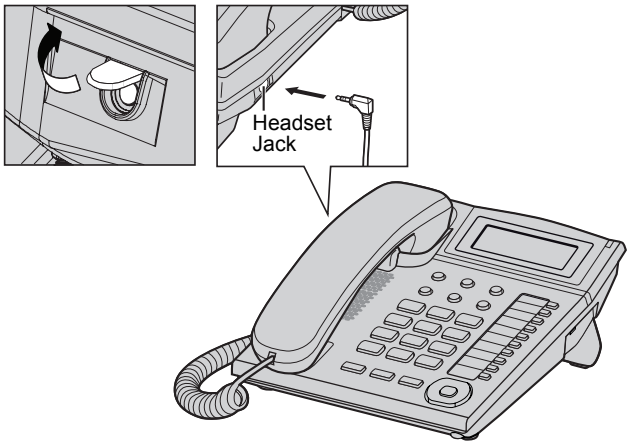
KX-TS880EX.book Page 27 Tuesday, November 23, 2010 3:41 PM

Optional headset

Plugging the optional headset into the unit allows a hands-free phone conversation. Please use only a Panasonic KX-TCA94EX.

Connecting the optional headset to the unit

Connect the optional headset to the headset jack as shown below.



If you want to have a normal conversation, disconnect the headset.

Making/answering calls

Make sure to install the batteries.

1 Press 【🎧/🎧】 to make or answer a call.

OR

Dial the number and press 【🎧/🎧】 to make a call.

- If you misdial during pre-dialling, press 【C】 and enter the correct number. Then press 【🎧/🎧】 for dialling.

2 To hang up, press 【🎧/🎧】.

To adjust the headset receiver volume (4 levels):

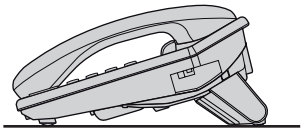
While using the headset, press 【▲】 or 【▼】.

- During a conversation using the headset, you cannot switch the call to the handset by lifting it off the cradle.
- If you disconnect the optional headset during a conversation with the handset on the cradle, the call will be switched to the speakerphone.
- During a conversation using the speakerphone, you can switch the call to the headset by connecting the headset.

Desk mount setup

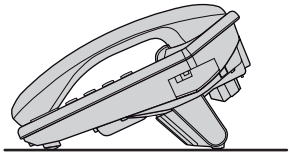
This unit can be used in 2 positions.

Low desk position (default)



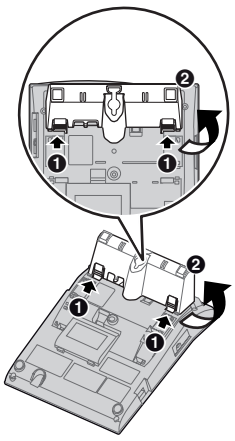
High desk position

– You can adjust the wall mount adaptor to slope this unit.

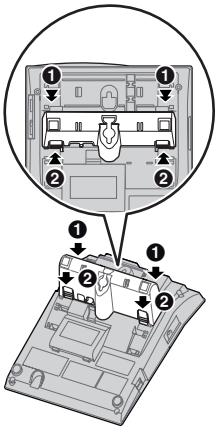


– Changing to the high desk position.

1. Press the tab in the direction of the arrow (❶), then remove the wall mount adaptor (❷).



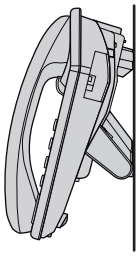
2. To attach the wall mount adaptor to high (◢), push it in the direction of arrows ((❶) and (❷)) as shown.



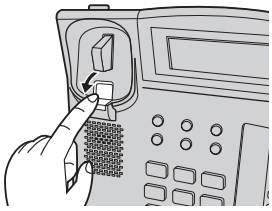
KX-TS880EX.book Page 29 Tuesday, November 23, 2010 3:41 PM

Wall mount setup

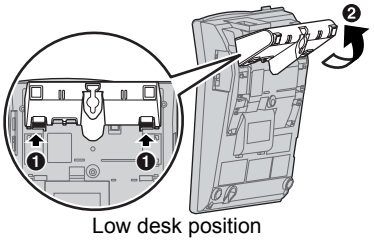
This unit can be mounted on a wall phone plate.



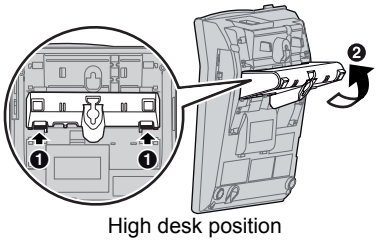
1 Pull down the handset hook until it locks, **so the tabs holds the handset**.



2 Press the tabs in the direction of the arrows (❶), then remove the wall mount adaptor (❷).

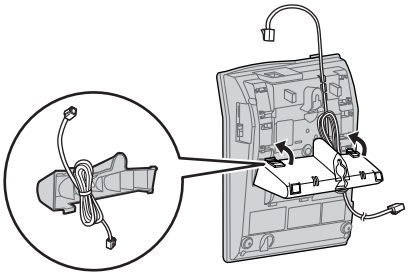


Low desk position



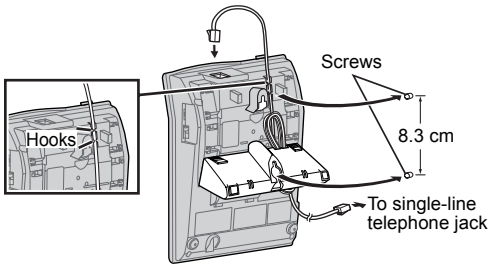
High desk position

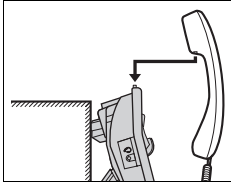
3 Tuck the telephone line cord inside the wall mount adaptor, and push it in the direction of the arrow.



Useful Information

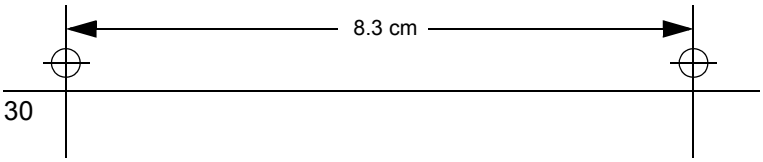
4 Drive screws (not included) into the wall using the wall template below. Connect the telephone line cord. Mount the unit, and then slide it down.





To temporarily set the handset down during a conversation, place it as shown in this picture.

Wall Template



KX-TS880EX.book Page 31 Tuesday, November 23, 2010 3:41 PM

Troubleshooting

Problem	Cause/solution
The unit does not work.	• Check the connections (page 9). • Remove the batteries and reinstall them to reset the unit.
The unit does not ring.	• The RINGER selector is set to OFF. Set to HIGH or LOW (page 13).
The display is blank.	• Install new batteries (page 8).
LCD display response is slow.	• Change LCD contrast setting to higher level (page 21). • Batteries are running low. Install or replace the batteries.
You cannot dial.	• Check the dial tone. If there is no dial tone, check the connections (page 9). • Dial lock is turned on. To turn it off, see page 15. • The dialled number is restricted. To cancel, see page 23.
The other party suddenly cannot hear your voice during a conversation.	• 【⊠】may have been pressed during the conversation. To cancel, press 【⊠】again (page 14).
You cannot program items such as the dialling mode.	• Programming is not possible when: – the handset is off the cradle. – viewing caller information. – "□⇔" is displayed. – "🎧" is displayed. • Do not pause for over 60 seconds while programming.
Caller information is not displayed.	• You need to subscribe to Caller ID service. Consult your service provider/telephone company for details. • Install or replace the batteries. • If your unit is connected to any additional telephone equipment such as a Caller ID box or cordless telephone line jack, plug the unit directly into the wall jack. • If you use a DSL/ADSL service, we recommend connecting a DSL/ADSL filter between the unit and the telephone line jack. Contact your DSL/ADSL provider for details. • Other telephone equipment may be interfering with your phone. Disconnect it and try again.
Number of missed calls does not display during standby mode.	• You have entered the caller list before and there is no new missed call coming in after that. If there are unviewed missed calls, number of missed calls will be displayed when you enter the caller list.

Problem	Cause/solution
You cannot store a name and phone number in memory.	• Programming is not possible when: – the handset is off the cradle. – "" is displayed. – "" is displayed. • Check that the batteries are installed in the unit and the battery power is not low. • Do not pause for over 60 seconds while storing. • Do not enter a phone number more than 32 digits long. • When using the dial lock (page 15) or call restriction feature (page 23), you cannot store emergency numbers **(#)**. • If "**Phonebook full**" is displayed, erase other stored items from the phonebook memory (page 20).
While programming or searching, the unit starts to ring and stops the program/ search.	• A call is being received. Answer the call and start again after hanging up.
The display exits the caller list.	• Do not pause for over 60 seconds while searching.
You cannot redial by pressing **【C●】**.	• If the last number dialled was more than 32 digits long, the number will not be redialled correctly.
Information stored in the redial list is erased.	• If "" flashes, replace the batteries as soon as possible. Otherwise, information stored in the redial list will be erased. Store the desired item in the phonebook, one-touch dial or speed dial memory before the battery replacement.

Liquid damage

Problem	Cause/solution
Liquid or other form of moisture has entered the unit.	• Disconnect the telephone line cord from the unit. Remove the batteries from the unit and leave to dry for at least 3 days. After the unit is completely dry, reconnect the telephone line cord. Insert the batteries.

Caution:

- To avoid permanent damage, do not use a microwave oven to speed up the drying process.

KX-TS880EX.book Page 33 Tuesday, November 23, 2010 3:41 PM

Index

A Accessories: 3
Answering calls: 13

B Battery: 8

C Call restriction: 23
Call waiting: 14
Caller ID service: 24
Caller list: 25
Chain dial: 20
Connections: 9
Controls: 6

D Date and time: 11
Desk mount setup: 28
Dial lock: 15
Display: 7
DSL/ADSL service users: 9

H Headset: 27
Hold: 14

I Index card: 17

L LOWER memory: 16

M Making calls: 12
Mute: 14

N Navigator key: 6

O One-touch Dialler: 16

P Password: 23
Pause: 13
Phonebook: 19

R Recall: 14
Redial: 12

S Speed Dialler: 18

T Troubleshooting: 31

U UPPER memory: 16

V Volume
Handset: 13
Ringer: 13

W Wall mount setup: 29

KX-TS880EX.book Page 34 Tuesday, November 23, 2010 3:41 PM

KX-TS880EX.book Page 35 Tuesday, November 23, 2010 3:41 PM

KX-TS880EX.book Page 36 Tuesday, November 23, 2010 3:41 PM

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